



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: KLETT, et al.

Application No.: 09/489,640

Examiner: Hendrickson, Stuart

Date Filed: January 24, 2000

Group: 1754

#21/CB  
2/25/03

For: PITCH-BASED CARBON FOAM HEAT SINK WITH  
PHASE CHANGE MATERIAL

CERTIFICATE UNDER 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited  
with the U.S. Postal Service as First Class mail in an  
envelope addressed to the Commissioner for Patents,  
Washington, D.C. 20231, on 2/19/03.

Neil R. Jetter

Reg. No. 46,803

REPLY TO OFFICE ACTION

Box Non-Fee Amendment  
Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Responsive to the Office Action dated November 14, 2002, please amend the  
above application as follows:

IN THE CLAIMS:

RECEIVED  
FEB 21 2003  
1700 MAIL ROOM

C1 56. (Amended) A carbon foam containing a phase change material in at least  
some of its pores, wherein the foam is an essentially graphitic carbon foam.

C2 58. (Amended) The carbon foam of claim 56 encased to prevent loss of the  
phase change material when said phase change material is in a liquid or gaseous state.

(3) 60. (Amended) The carbon foam of claim 56 wherein the foam provides a bulk  
thermal conductivity greater than about 58 W/m·K.